



## Cygnus' Bencubbin Project Update

### ASX ANNOUNCEMENT:

7 October 2019

ASX: CY5

### CORPORATE DIRECTORY

#### Non-Executive Chairman

Michael Bohm

#### Managing Director

James Merrillees

#### Non-Executive Directors

Simon Jackson

Oliver Kreuzer

#### Company Secretary

Michael Naylor

### Cygnus Gold Limited

Level 2, 45 Richardson St,  
West Perth, WA 6005

**T:** +61 8 6118 1627

**E:** [info@cygnusgold.com](mailto:info@cygnusgold.com)

**W:** [www.cygnusgold.com](http://www.cygnusgold.com)

### Highlights

- First Cygnus surface sampling over Bencubbin South defined several anomalous copper-gold zones with nickel target horizon scheduled to be sampled in late 2019
- Analyses of pulps from Bencubbin North for platinum group elements (PGEs) confirms and extends nickel prospectivity
- High priority Grylls target at Bencubbin North is drill ready and represents a >1.5km long zone of lead-zinc anomalism associated with a VMS horizon untested by historical drilling
- Land access agreements finalised
- WA Government co-funded drilling program scheduled to commence late this quarter.

**Cygnus Gold (Cygnus or the Company) (ASX:CY5)** is pleased to report further results from soil sampling over the Bencubbin nickel and base metals project in the Wheatbelt region of Western Australia (Figure 1).

The Bencubbin Project covers more than 70km strike length of Archaean greenstone rocks considered prospective for nickel, gold and base metals deposits.

The Company has now received results from 218 surface samples collected at Bencubbin South which define several zones of widespread copper-gold anomalism with the strongest copper anomaly open to the east towards the nickel target horizon. This nickel target horizon was not sampled during this program due to an advanced crop, and this zone will be sampled post-harvest, anticipated late this quarter.

The Company has also received results from 80 laboratory pulps which were resubmitted for platinum group element (PGE) analysis which are considered an important indicator of nickel sulfide prospectivity.

These new PGE results continue to demonstrate the association of +1,000ppm nickel anomalism with copper (>100ppm Cu) and PGEs, with maximum values of palladium (Pd) of 24.2ppb (associated with 9.4ppb Pt) and maximum 16.9ppb platinum (Pt) with 22.6ppb Pd.

In addition, Cygnus sampling at the Grylls prospect located in the Mandiga base metals trend (at Bencubbin North) has defined a more than 1.5km long zone of lead-zinc anomalism south of the historically recognised trend which has never been drill tested.

Cygnus is now planning aircore drilling traverses across a number of these nickel and base metals anomalies to sample host lithologies and upgrade targets for electrical geophysics and deeper drill testing.

Cygnus Gold Managing Director James Merrillees said, "The Company has now defined a suite of high quality, drill ready nickel and base metals targets at Bencubbin and we eagerly look forward to drill testing these commencing later this quarter."



## **BENCUBBIN PROJECT (100% CY5)**

Cygnus Gold's 675km<sup>2</sup> Bencubbin Project comprises three granted tenements (E70/4988, Bencubbin, E70/5169, Bencubbin North and E70/5168, Bencubbin South).

The project is approximately 200km northeast of Perth, and covers the Bencubbin Greenstone Belt - extending over a strike length of 70km and up to 5km in width - where the Company's review of historical exploration has identified the belt's prospectivity for (Figure 1):

- Magmatic nickel-copper sulfides and gold at Bencubbin North and Bencubbin South, and
- Base metals mineralisation associated with the Mandiga trend at Bencubbin North.

Historical exploration at Bencubbin North identified a regionally extensive nickel-in-soil geochemical anomaly, defined by consistent, highly anomalous and coincident nickel (more than 1,500ppm Ni) and copper (maximum 197ppm Cu) developed over a strike length of ~18km and up to 400m wide (refer Figure 2 and CY5 ASX announcement 30/11/2018)<sup>1</sup>.

This anomalism is associated with ultramafic rocks – the target rock type for magmatic nickel systems - within a north-northwest trending Archaean greenstone belt.

Historical drilling over the nickel prospective belt was limited to five lines of shallow <40m depth RAB holes principally exploring for gold. None of these holes tested the peak nickel anomalism, and none were assayed for nickel, leaving the entire 18km surface multi-element geochemical anomaly untested for nickel potential.

### **Nickel-copper targets**

The Company has now completed three phases of surface sampling at Bencubbin North which have successfully confirmed and extended the historical anomalies. The Cygnus samples were also analysed for the Platinum Group Elements (PGEs) platinum (Pt) and palladium (Pd). PGEs coincident with nickel and copper anomalism are considered key indicators for magmatic sulphide prospectivity of greenstone belts elsewhere in Western Australia.

At Bencubbin North the soil sampling programs define six discrete, but extensive Ni-Cu (PGE) anomalies associated with the interpreted ultramafic package (refer Figure 2 and CY5 ASX announcement 17/6/2019)<sup>1</sup>.

A number of Cygnus samples that reported elevated Ni and Cu were resubmitted for PGE analysis.

These new PGE results continue to demonstrate the association of +1,000ppm nickel anomalism with copper (>100ppm Cu) and PGEs, with maximum values of palladium (Pd) of 24.2ppb (associated with 9.4ppb Pt) and maximum 16.9ppb platinum (Pt) with 22.6ppb Pd. These PGE results continue to support the prospectivity of the belt for magmatic nickel sulfides and follow up AC drilling is planned late Q4 post-harvest.

The Company has also completed first pass surface sampling at Bencubbin South, ~45km south of the Bencubbin North targets, collecting 218 hand auger samples over paddocks which could be accessed in the middle of the cropping cycle.

This new Cygnus sampling has defined up to three zones of coincident anomalous gold and copper geochemistry (Figure 4). The copper anomalism gets stronger and remains open to the east in the direction of the main nickel target horizon which couldn't be accessed due to an advanced crop. Sampling of this nickel zone is planned to commence in late Q4 post-harvest.

## **Mandiga base metals (lead-zinc-copper)**

Historical exploration along the southwestern margin of the nickel anomaly at Bencubbin North was directed at the Mandiga base metal prospect.

The Mandiga prospect is a more than 3.3km long zone of copper (Cu), lead (Pb) and zinc (Zn) mineralisation, considered to be related to volcanogenic hosted massive sulfide (VMS) style mineralisation found elsewhere in the Yilgarn (e.g. Golden Grove).

Drilling by previous explorers targeting the base metals at Mandiga included best results of (refer Figure 4 and Cygnus Gold ASX announcement 30/11/2018)<sup>1</sup>:

- 18m @ 0.14% Ni from 32m in Hole DMA4;
- 2m @ 0.63% Pb from 52m in Hole DMA2; and
- 2m @ 1.7% Zn from 176m in Hole DMA5.

Cygnus' review of the historical work demonstrated that the strongest Pb and Zn anomalism extends a further 1.5km south of the known drilling on the Mandiga trend however this zone, known as the Grylls target was never drill tested (Figure 4).

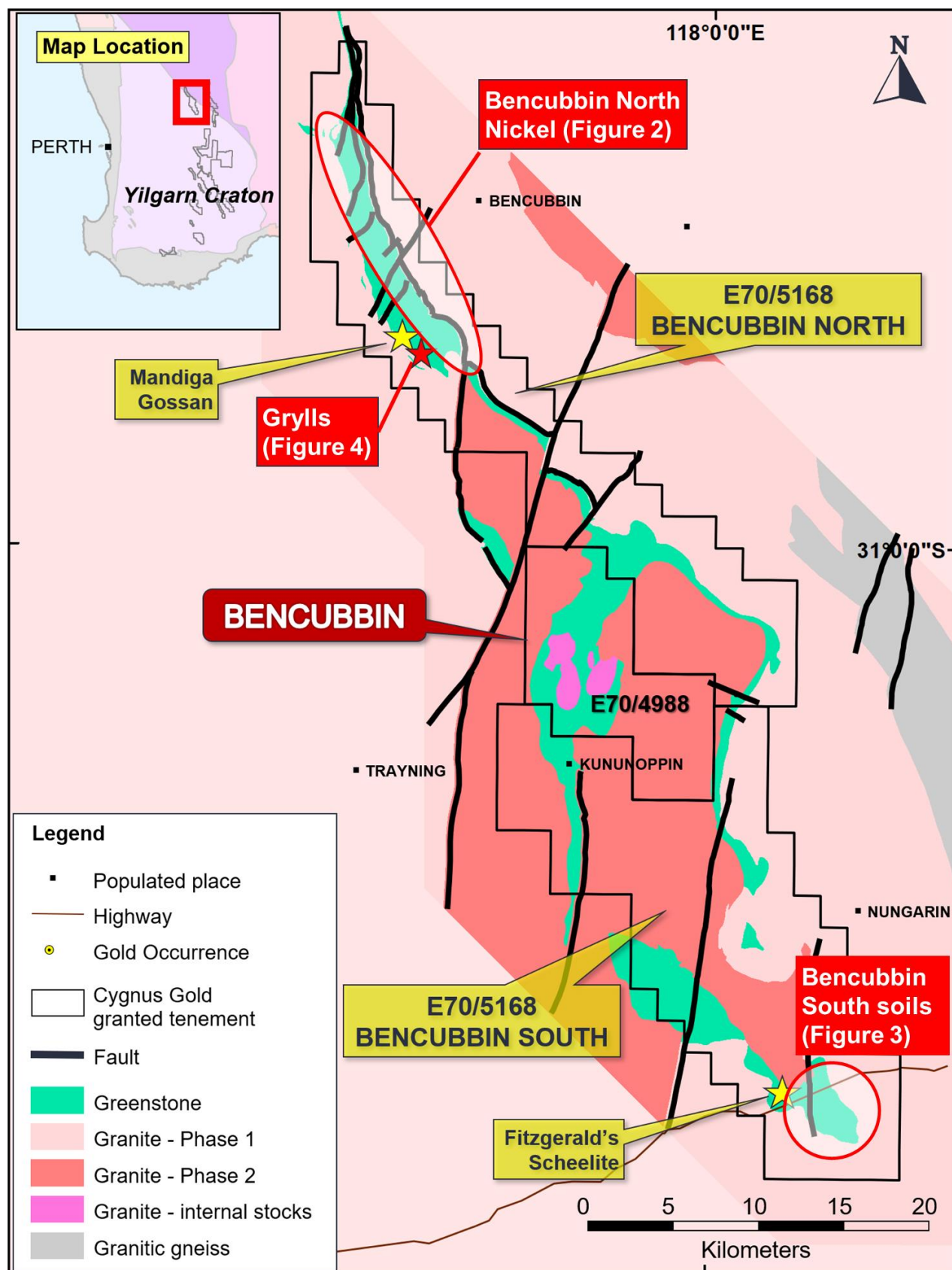
The Grylls target therefore represents an exciting walk-up VMS drill target for the Company, with lines of aircore traverses planned to commence this quarter immediately after the year-end harvest.

## **NEXT STEPS**

Cygnus has successfully negotiated land access agreements over the priority target areas where the Company is planning follow-up drill testing scheduled to commence this quarter. This program includes:

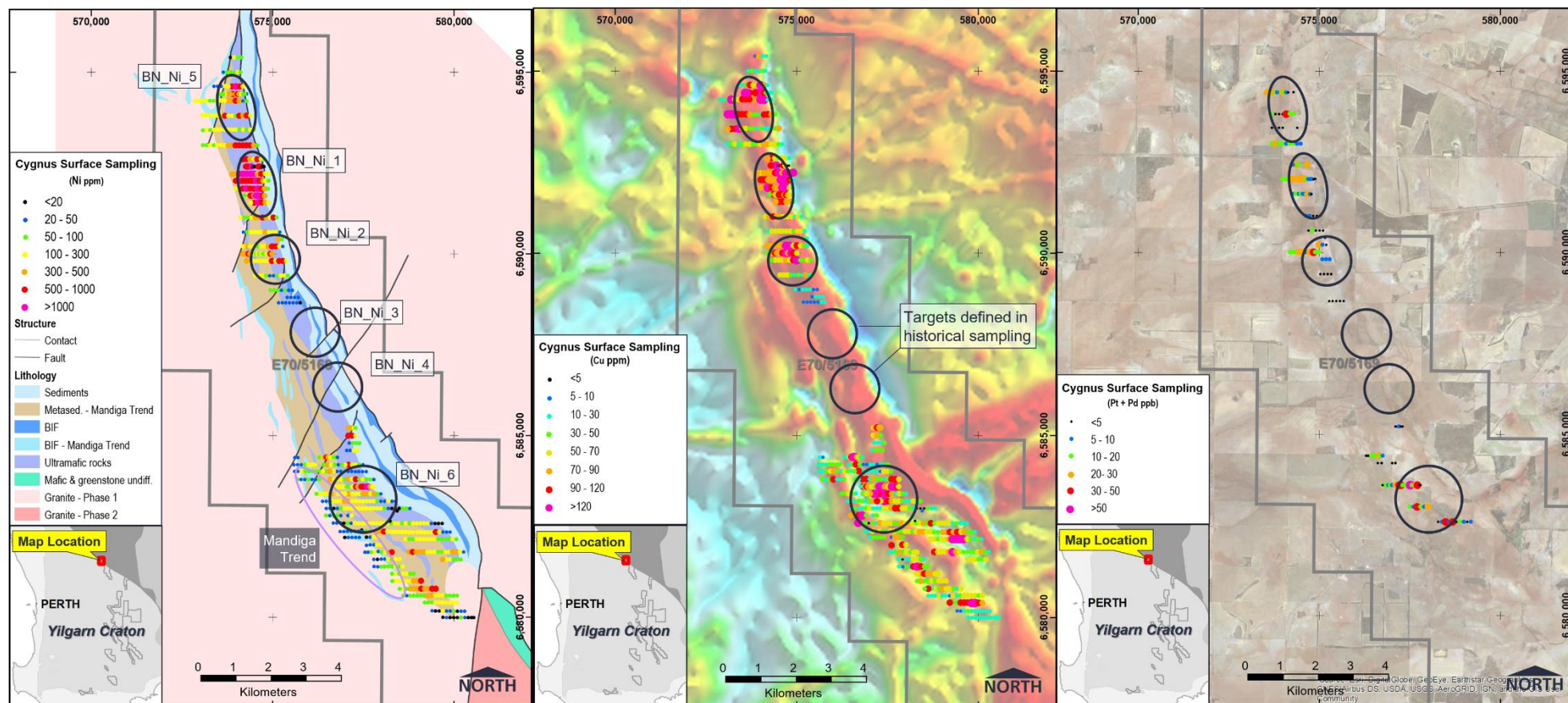
- Bedrock drill testing of the Bencubbin North nickel anomalies with anomalous and coincident Ni-Cu and PGEs extending more than 18km along the Bencubbin Greenstone;
- Lines of aircore traverses over the Grylls base metals target, an undrilled 1.5km long lead-zinc surface anomaly at Bencubbin North associated with a known VMS horizon;
- Bedrock testing of copper-gold anomalies at Bencubbin South; and
- Extending surface sample coverage over the Bencubbin South nickel horizon preceding the above drilling programs to allow for drill testing should the sampling results warrant it.

These drilling programs represent an exciting suite of drill-ready targets for the Company and are co-funded by a grant from the WA Government's Exploration Incentive Scheme (EIS), a strong endorsement of the Company's technical team and projects.

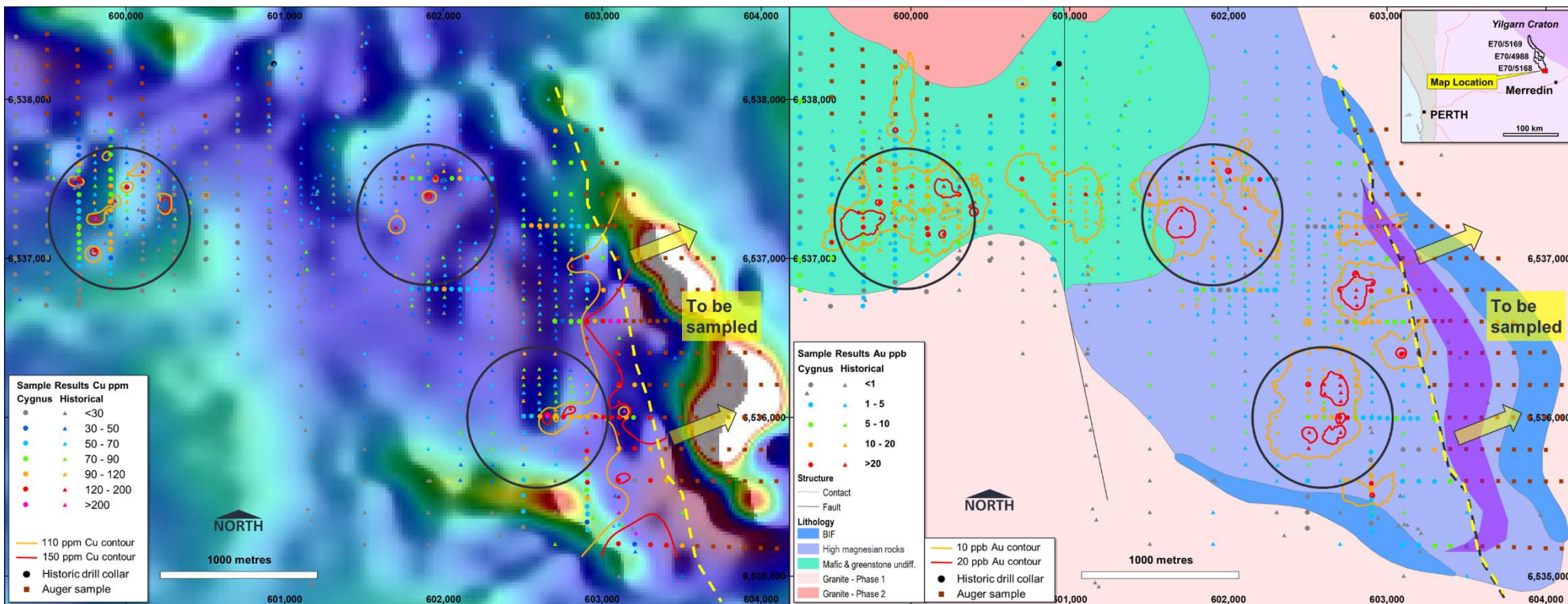


**Figure 1:** Cygnus Gold's Bencubbin Project Western Australia highlighting nickel and base metals target areas and figures referred to in this announcement. Regional geology from 1:500,000 GSWA mapping.



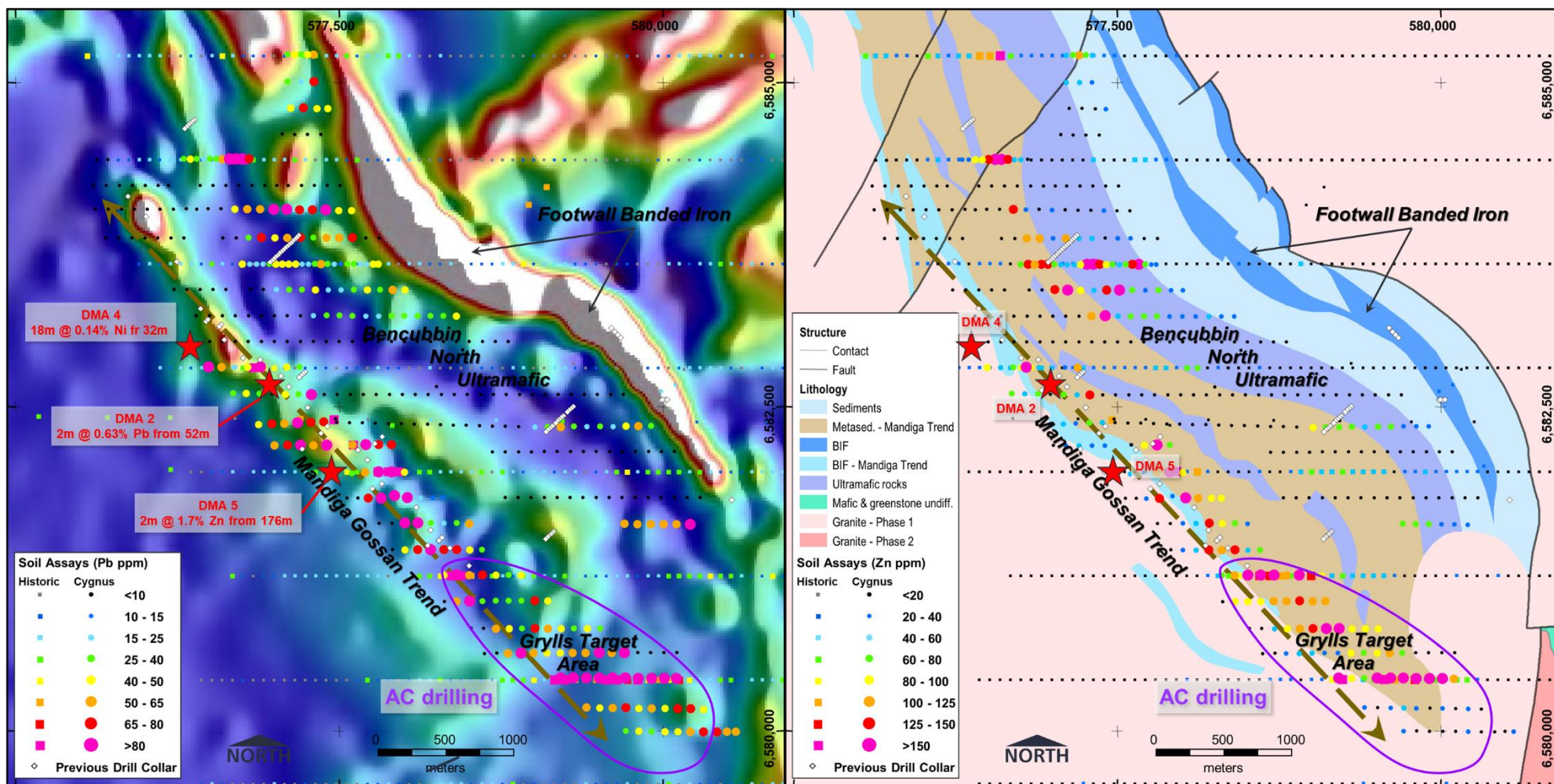


**Figure 2:** Bencubbin North Cygnus' 2019 soil sampling and targets. Left to right: Nickel (Ni ppm) on interpreted geology; Copper (Cu ppm) on airborne magnetics (RTP TMI); Palladium (Pd ppb) plus Platinum (Pt ppb) on air photo. Note only Cygnus sampling shown. Refer CY5 ASX announcement 8/5/2019<sup>1</sup> for historical results and target descriptions.



**Figure 3:** *Cygnus and historical soil sampling, Bencubbin South. Left is copper (Cu ppm) on magnetics (RTP TMI) and right is gold (Au ppb) on interpreted geology with the target ultramafic horizon shaded in purple. The black circles (~800m in diameter) represent coincident Cu and Au anomalies. The yellow arrows indicate the planned sampling to test the main nickel zone post-harvest noting that Cu anomalism is open in this direction.*





**Figure 4:** Mandiga trend, Bencubbin North tenement with historic and Cygnus Gold sampling shown. Image on the left is Cygnus and historic surface samples for lead (ppm) on background RTP TMI magnetic image. Right side area the same samples for zinc (ppm) on the interpreted geology. The Grylls target area is a ~1.5km long zone of strong lead and zinc untested by historical drilling. Refer figure 1 for figure location.

## About Cygnus Gold

Cygnus is targeting the discovery of high-grade gold, nickel and base metals deposits within the Southwest Terrane, in the Wheatbelt region of Western Australia. The Southwest Terrane is a package of high metamorphic grade rocks forming part of the well mineralised Yilgarn Craton.

Cygnus Gold's tenements include both early stage exploration areas through to advanced drill-ready targets, where high-grade gold results were achieved in drilling by previous explorers. In addition to the wholly-owned Projects, Cygnus is managing two significant earn-in agreements with ASX-listed Gold Road Resources, whereby Gold Road is earning into Cygnus' Lake Grace and Wadderin Projects. The Company is also managing exploration on the Yandina Project, in joint venture with Gold Road.

Cygnus' team has considerable technical expertise in targeting and evaluating gold mineralised systems world-wide, using a regional-scale, mineral systems approach to identifying areas prospective for economic mineral deposits.

## Competent Persons Statement

The information in this announcement that relates to Exploration Results is based on information and supporting documentation compiled by Mr James Merrillees, a Competent Person who is a member of The Australasian Institute of Mining and Metallurgy. Mr Merrillees is Managing Director and a full-time employee of Cygnus Gold and holds shares in the Company.

Mr Merrillees has sufficient experience relevant to the style of mineralisation under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Merrillees consents to the inclusion in this announcement of the matters based on this information in the form and context in which it appears.

### Notes:

*1: Refer ASX announcement on the said date for full details of these exploration results. Cygnus is not aware of any new information or data that materially affects the information included in the said announcement.*

For further information please visit [www.cygnusgold.com](http://www.cygnusgold.com) or contact:

## Cygnus Gold

James Merrillees - Managing Director

T: +61 8 6118 1627

E: [info@cygnusgold.com](mailto:info@cygnusgold.com)



## Appendix 1

### Bencubbin: Cygnus soil sampling results

Note only new results listed here.

[na denotes not assayed for PGEs, [I/S = Insufficient Sample for analysis] -x = Below detection limit; x = detection limit

[Bold Sample ID = Laboratory pulps assayed for PGE's only. 'Greyed out' results have been previously reported]

SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W000621	574103	6594601	1.8	517	82.3	35.5	73	3.3	2.4
W000622	574200	6594600	0.8	104	22.7	52.6	30	0.9	0.9
W000630	574198	6594199	0.6	48.9	13.8	51.8	19	0.3	0.5
W000631	574097	6594202	4.7	427	142.5	16.4	108	9.7	13.9
W000632	574003	6594601	4.3	1040	222	15.5	143	16.9	22.6
W000633	573903	6594601	7.6	697	74.1	20.6	76	9	16.9
W000634	573803	6594602	5.1	179.5	67.9	16.8	72	7	16
W000647	573797	6594211	17.4	376	82	25.8	81	5.1	7.3
W000648	573897	6594208	6.7	423	79.1	34.7	77	5.7	5.8
W000649	573997	6594205	14	830	146.5	25	96	7.1	10.6
W000651	574401	6589804	1.3	212	60.7	52.5	79	3.5	4.4
W000652	574501	6589803	6	246	67.2	52.7	85	1.8	2.6
W000653	574601	6589803	2.4	177	64.3	46.2	95	2.1	3.3
W000655	574801	6589803	1.8	189	56	71.6	82	1.8	2
W000656	574902	6589803	3.1	299	103	165.5	302	2.1	3
W000657	574996	6589803	3.7	709	129	60	156	5.6	5.7
W000676	574299	6590202	4.2	418	84.7	33.9	121	3.7	7.9
W000677	574399	6590202	15	300	85	17.7	157	5	15.4
W000678	574499	6590202	3.6	101	80.3	15.5	131	5.8	14
W000680	574700	6590202	11.4	175	138	137	285	3.9	7.8
W000682	574800	6590202	34.8	210	172	67.4	176	5	14.4
W000683	574900	6590202	7.1	415	60.9	14.9	68	5.7	14.3
W000685	574515	6591404	6.5	561	111	35.9	126	2.6	4.5
W000686	574616	6591406	6.6	1015	93.2	34.6	88	3.9	6.3
W000687	574716	6591407	7.8	788	85.4	49.5	91	4.3	4.7
W000688	574816	6591408	1.7	458	78	52.8	89	1.3	1.5
W000689	574895	6591409	1.3	141.5	40.6	35.6	47	0.9	1.2
W000706	574698	6591788	3	544	141.5	24.6	95	4.6	12
W000707	574598	6591789	3.3	1285	136.5	22.1	97	5	8.9
W000708	574497	6591790	20.1	813	87.2	12.6	54	7.4	13.1
W000709	574397	6591791	9.1	791	89.6	14.8	51	8.9	15.5
W000710	574297	6591792	9	1345	119.5	21.9	95	6.6	10.2
W000711	574197	6591793	16.9	577	135.5	47.5	111	5.7	9.4
W000735	574803	6592198	2.6	191	108.5	28.9	82	2	4.2
W000736	574702	6592197	2.4	1000	154.5	33	146	5	9.9

SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W000737	574602	6592196	9.6	407	73.6	26.3	91	9.4	24.2
W000738	574502	6592196	3.6	1635	196.5	23.7	77	4.3	7
W000739	574402	6592195	2.3	1445	107	43	104	7.1	7.4
W000740	574001	6592191	12.5	496	63.4	34.9	55	2.9	3.2
W000741	574101	6592192	15.5	698	80.4	33.5	60	3.4	3
W000742	574202	6592193	45	1030	82.7	29.7	57	7.3	10.1
W000743	574302	6592194	6.9	1255	89.6	20.3	70	6.4	9.4
W000750	574196	6592596	3.7	669	70.6	24.5	49	6.7	9.3
W000751	574296	6592597	4.6	689	92.7	32.3	63	4.9	5.6
W000752	574396	6592598	2.1	444	67.4	39.6	61	3.2	3.5
W000753	574496	6592600	0.7	285	36.4	48.9	65	0.8	0.9
W000754	574597	6592601	1.6	587	51.9	44.6	81	1.9	1.9
W000755	574697	6592602	1.6	180.5	58.1	51.6	66	1.5	1.7
W002858	600700	6537800	3.7	na	na	na	na	na	na
W002859	600700	6537700	5.2	na	na	na	na	na	na
W002860	600700	6537600	9.6	na	na	na	na	na	na
W002861	600699	6537501	29.2	na	na	na	na	na	na
W002862	600699	6537401	6.2	na	na	na	na	na	na
W002863	600699	6537301	2.6	na	na	na	na	na	na
W002864	600699	6537202	1.3	na	na	na	na	na	na
W002865	600698	6537095	0.5	na	na	na	na	na	na
W002866	600893	6536998	1.4	na	na	na	na	na	na
W002867	600895	6537099	9.5	na	na	na	na	na	na
W002868	600896	6537199	1.8	na	na	na	na	na	na
W002869	600896	6537298	10.9	na	na	na	na	na	na
W002870	600897	6537398	19.2	na	na	na	na	na	na
W002871	600897	6537498	10.7	na	na	na	na	na	na
W002872	600898	6537598	10	na	na	na	na	na	na
W002873	600899	6537697	15	na	na	na	na	na	na
W002874	600899	6537797	3.9	na	na	na	na	na	na
W002875	600501	6537793	2.5	na	na	na	na	na	na
W002876	600501	6537694	2.4	na	na	na	na	na	na
W002877	600501	6537594	6	na	na	na	na	na	na
W002878	600501	6537494	2.3	na	na	na	na	na	na
W002879	600501	6537394	4.8	na	na	na	na	na	na
W002881	600501	6537295	1.5	na	na	na	na	na	na
W002882	600501	6537195	0.6	na	na	na	na	na	na
W002883	600501	6537095	0.6	na	na	na	na	na	na
W002884	600498	6536989	0.7	na	na	na	na	na	na
W002885	600298	6537001	0.1	na	na	na	na	na	na
W002886	600300	6537100	6.5	na	na	na	na	na	na
W002887	600300	6537199	15.8	na	na	na	na	na	na
W002888	600300	6537299	3.7	na	na	na	na	na	na
W002889	600300	6537399	16.5	na	na	na	na	na	na
W002890	600300	6537498	3.4	na	na	na	na	na	na

SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W002891	600300	6537598	7.7	na	na	na	na	na	na
W002892	600300	6537698	1.3	na	na	na	na	na	na
W002893	600300	6537798	1.9	na	na	na	na	na	na
W002894	600098	6536792	0.8	28.5	10	58.6	22	0.4	0.6
W002895	600100	6536894	1.2	38.7	22.8	57.2	34	na	na
W002896	600101	6536989	7.4	na	na	na	na	na	na
W002897	600102	6537092	8.4	na	na	na	na	na	na
W002898	600103	6537191	20.4	na	na	na	na	na	na
W002899	600103	6537291	6.6	na	na	na	na	na	na
W002900	600104	6537391	8.5	na	na	na	na	na	na
W002901	600104	6537490	7.2	na	na	na	na	na	na
W002902	600105	6537590	2.3	na	na	na	na	na	na
W002903	600105	6537690	2.3	na	na	na	na	na	na
W002904	600104	6537793	1.5	na	na	na	na	na	na
W002907	599900	6537797	1.8	157	87.8	2.1	83	2.5	14
W002908	599899	6537747	1.5	135.5	45.4	7.5	86	2.3	11.9
W002909	599900	6537697	4	142.5	86.9	16.8	85	2	8.4
W002910	599899	6537649	2.3	106.5	75.7	13.1	81	2.2	8.9
W002911	599900	6537597	0.4	132	31.4	1.6	82	1.6	13.9
W002912	599897	6537549	14.6	160	83.2	10.1	68	4.6	10.5
W002913	599900	6537498	5.2	136	81.4	10.3	75	3.1	10.7
W002914	599900	6537452	8.4	162.5	101	17.9	72	3.6	9.9
W002915	599900	6537398	5.4	146.5	89.8	16.2	75	3.6	11.7
W002916	599896	6537353	10.8	172	103	20.7	74	5.9	12.6
W002917	599900	6537298	5.8	185.5	97.9	11.5	70	11.8	10.9
W002918	599899	6537249	4.8	106.5	69.1	15.9	75	2.4	5.5
W002919	599698	6537249	12	84.4	58.4	9.3	54	2	27.6
W002920	599701	6537298	6.7	129	66.8	13.6	70	1.7	14.5
W002921	599698	6537352	9.8	93.2	66.8	4.6	54	5.9	55.2
W002922	599700	6537398	4.1	112.5	77.9	21.4	61	2.2	12.4
W002923	599698	6537450	0.7	122	20	1	65	1.6	10
W002924	599700	6537497	10.9	136.5	148	3.7	64	6.1	17
W002925	599698	6537546	2.2	132.5	70.7	6	70	2.2	11.2
W002926	599699	6537597	20	158.5	119.5	7.6	72	4	19.8
W002927	599698	6537645	1	114.5	43.6	14.2	69	2.8	6.2
W002928	599699	6537697	0.3	67.7	36.5	6.9	94	0.1	-0.2
W002929	599697	6537745	1.6	28.8	49.9	15.7	119	-0.1	-0.2
W002931	599699	6537797	5.9	60.9	41.7	18.7	85	1.1	1.6
W002932	599900	6536797	1.5	36	14.1	73.6	27	0.2	1
W002933	599698	6536702	1.1	20.2	6.5	57.9	18	-0.1	0.3
W002934	599701	6536753	1.2	28.6	8.9	66.9	20	0.1	0.5
W002935	599703	6536800	0.9	25.2	10.3	65.8	21	0.2	0.3
W002936	599701	6536854	1.3	40.2	15.2	64.2	26	0.3	1.3
W002937	599702	6536899	0.9	42.2	21.1	51.6	30	0.5	1
W002938	599700	6536951	6.5	141	59.7	36.4	77	2.8	4.8



SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W002939	599702	6536999	4.1	165	79.7	24.9	60	3.6	7.8
W002940	599700	6537052	5.8	139.5	77.1	22	58	2.9	8.9
W002941	599701	6537099	6.8	136	83.5	17.5	61	3.1	9.5
W002942	599698	6537149	9.5	111.5	76.5	19.3	55	3.3	11.6
W002943	599701	6537198	46.8	139	85.6	7.9	78	3.1	12.9
W002944	599900	6537199	6.5	689	46.6	7.7	74	7.7	5.5
W002945	599897	6537148	2.7	168.5	104	11.2	63	5.3	11.2
W002946	599900	6537099	4.1	227	99.3	20.4	74	5.3	9
W002947	599899	6537055	5	214	92.4	23.5	64	5.9	8.1
W002948	599900	6536999	3.3	90.7	43.1	34.1	59	1.8	4.9
W002949	599897	6536952	5.5	120	62.4	25.3	87	2.6	8.9
W002950	599900	6536900	3.1	98.3	52.2	32.1	81	2.4	5.4
W002951	599900	6536852	1	54.3	28.1	46.7	50	0.9	1.7
W002952	600700	6537899	3.4	na	na	na	na	na	na
W002953	600700	6537999	1.3	na	na	na	na	na	na
W002954	600901	6538196	3.7	na	na	na	na	na	na
W002957	600902	6538295	2.6	na	na	na	na	na	na
W002958	599503	6537705	2.7	na	na	na	na	na	na
W002959	599504	6537602	4.8	na	na	na	na	na	na
W002960	599503	6537502	3.1	na	na	na	na	na	na
W002961	599503	6537402	4	na	na	na	na	na	na
W002962	599502	6537302	10.1	na	na	na	na	na	na
W002963	599501	6537203	10.4	na	na	na	na	na	na
W002964	599500	6537103	20.5	na	na	na	na	na	na
W002965	599500	6537003	5.8	na	na	na	na	na	na
W002966	599499	6536904	2.9	na	na	na	na	na	na
W002967	599498	6536804	1.1	na	na	na	na	na	na
W002968	599494	6536700	0.8	na	na	na	na	na	na
W002969	599300	6536801	7.9	na	na	na	na	na	na
W002970	599298	6536895	5.2	na	na	na	na	na	na
W002971	599298	6536994	7.1	na	na	na	na	na	na
W002972	599298	6537094	3	na	na	na	na	na	na
W002973	599299	6537194	0.5	na	na	na	na	na	na
W002974	599299	6537294	0.7	na	na	na	na	na	na
W002975	599300	6537393	0.2	na	na	na	na	na	na
W002976	599300	6537493	0.3	na	na	na	na	na	na
W002977	599301	6537593	0.3	na	na	na	na	na	na
W002978	599301	6537692	0.8	na	na	na	na	na	na
W002979	599302	6537792	1.9	na	na	na	na	na	na
W002981	599302	6537892	1.5	na	na	na	na	na	na
W002982	599302	6537991	6.7	na	na	na	na	na	na
W002983	599303	6538091	4	na	na	na	na	na	na
W002984	599303	6538191	1	na	na	na	na	na	na
W002985	599304	6538290	I/S	na	na	na	na	na	na
W002986	599304	6538390	1.4	na	na	na	na	na	na

SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W002987	602701	6537799	4	88.7	91.9	23.6	121	4.4	8
W002988	602800	6537599	6	77.8	89.4	18.7	99	na	na
W002989	602695	6537600	5.6	85.2	84.6	23.3	91	na	na
W002990	602800	6537400	I/S	97.5	71.4	28.9	86	4.7	7.2
W002991	602702	6537402	I/S	119.5	89.3	30.2	84	na	na
W002992	602500	6537202	I/S	121.5	83.1	24.6	94	na	na
W002993	602550	6537203	I/S	129	90.7	25.8	98	na	na
W002994	602602	6537201	I/S	130	101	23.7	106	5.3	5.3
W002995	602648	6537201	4.3	126	100.5	22.2	104	na	na
W002996	602702	6537201	4.2	139	118.5	26.4	99	6.2	8.4
W002997	602746	6537201	13.3	151	76.7	13.7	88	6.8	11
W002998	602802	6537200	11.8	158.5	68	35.6	108	9.7	15.5
W002999	602849	6537199	18.2	71.5	52.7	12.2	63	9.8	27.7
W003000	602902	6537200	4.7	93.5	89.2	20.6	76	5.9	9.1
W003001	603000	6536999	5.1	106.5	82.7	15.7	124	3.5	6.5
W003002	602900	6537002	4.5	151	121.5	20.4	142	5.2	11.3
W003003	603091	6536400	56.4	169	153	15.6	207	na	na
W003004	603101	6536601	7.9	209	202	14	227	10.6	19.5
W003007	603049	6536601	7.7	192.5	209	20	216	7.5	15.3
W003008	603001	6536601	5.8	107	147	23.5	123	5.4	11.1
W003009	602949	6536602	11.5	110	107	18.9	122	8.1	18.4
W003010	602900	6536601	14.1	172	160.5	10.5	303	14.4	20.8
W003011	602851	6536600	16.6	125.5	82	10.4	55	10.7	7.8
W003012	602800	6536600	6.7	107	70.2	6.7	58	9.6	5.9
W003013	602747	6536602	0.5	418	38.4	3	85	12.4	2.8
W003014	602697	6536602	7.6	142	89.9	21.5	72	12.3	5.5
W003015	602901	6536798	20.8	138.5	68.4	8.2	73	na	na
W003016	603003	6536796	8.4	123	91.7	16.4	111	na	na
W003017	601796	6536805	1.9	76.6	52.2	36.7	26	6.5	5.8
W003018	601844	6536804	7.4	95.2	41.2	29.7	37	6.4	6
W003019	601901	6536804	3	91.8	52.9	12.7	57	na	na
W003020	601950	6536804	I/S	72.1	60.7	19.3	53	13.5	12.2
W003021	602001	6536803	I/S	69.5	99.6	18.4	53	17.2	13.5
W003022	602048	6536803	2.2	103	63	13.6	54	13.7	11
W003023	602101	6536802	4.2	114	51	23.3	53	na	na
W003024	602150	6536803	10.7	94.2	65.8	55.2	66	13.8	15.8
W003025	602201	6536801	4.9	92.5	62.1	31.9	63	4.1	4.3
W003026	602245	6536802	3.3	108	57	34.4	55	4.2	3.2
W003027	602294	6536802	2.1	146	53.6	38.3	50	na	na
W003028	602300	6537499	I/S	96	63.8	41.3	49	6.6	4.8
W003029	602249	6537499	4.2	91.8	47.2	31.8	39	10.4	5.9
W003031	602200	6537499	20.3	111	54.2	23.9	41	11.9	6.8
W003032	602149	6537499	3.8	115	59.7	35.5	51	10.3	5.5
W003033	602100	6537499	7.9	105	93.3	9.6	62	14.3	5.9
W003034	602049	6537499	18.2	127.5	73.1	7.1	68	24.2	13.1

SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W003035	601991	6537486	16.4	11.4	10.5	0.6	6	1.3	0.3
W003036	601995	6537487	3.8	121.5	30.5	2.8	71	19.5	16.6
W003037	601947	6537501	12.1	55.7	137	23	61	27	35.5
W003038	601899	6537499	2.1	42.9	48.5	39.1	75	4.6	9.4
W003039	601848	6537501	1.8	68.9	89.9	19	79	13.2	12.9
W003040	601799	6537499	1.7	92.8	72.4	40.6	57	na	na
W003041	602499	6535603	4.4	78.7	67.9	21.5	85	2	2.1
W003042	602499	6535503	I/S	68.5	60.6	35.6	77	2.6	2.3
W003043	602499	6535404	I/S	71	52.1	36.9	64	2.2	1.8
W003044	602499	6535304	0.7	30.2	23.7	50	29	na	na
W003045	602901	6535685	14.9	107.5	100	21.2	171	5.3	8.8
W003046	602897	6535734	I/S	121	99.5	22.9	204	4	7.6
W003047	602900	6535784	3.8	165.5	132.5	25	305	3.6	5.9
W003048	602902	6535636	17.4	101	85.4	23.1	177	6.1	5.4
W003049	602902	6535586	33.5	77.1	140.5	14.2	253	6.5	44.8
W003050	602899	6535540	16.8	80	86.7	17.3	137	1.8	1.9
W003051	602903	6535486	1.8	127.5	98.7	11.1	193	7.4	7.1
W003052	602900	6535434	2.9	59.1	62.3	38.2	56	4.5	4.7
W003053	602903	6535386	1.5	69.9	67.3	22.2	62	3.6	1
W003054	602900	6535336	0.6	54.5	37	40.4	38	0.9	1.1
W003057	602904	6535287	2.3	87.9	63.6	37.3	41	na	na
W003058	603097	6535200	2	53.1	198	46.7	49	4.9	3.4
W003059	603200	6535197	2.6	64	32.2	34.6	60	na	na
W003060	603300	6535194	8.4	99.4	139	55.5	165	4.3	13.1
W003061	603400	6535191	6.6	154.5	199	38.2	258	5.3	10.7
W003062	603501	6535188	I/S	94.5	98.4	218	203	na	na
W003063	603401	6535598	9.5	95.8	104.5	65.7	188	na	na
W003064	603300	6535598	1.2	55.1	136.5	13	57	na	na
W003065	603200	6535599	1.1	10.3	17.7	85	33	na	na
W003066	603098	6535600	3.8	134.5	162.5	18.4	300	na	na
W003067	603103	6535800	I/S	147	106.5	22.7	246	3.7	5.8
W003068	603200	6535799	I/S	104	178.5	23.6	399	6.5	15
W003069	603300	6535798	18.6	80.3	106.5	17	135	3.1	3.8
W003070	602501	6536004	7.8	49.2	59.6	26.2	86	2.1	7.1
W003071	602550	6536003	18.8	69.8	65.5	22.3	72	3.8	10.3
W003072	602603	6536002	6.9	70.4	102	31.7	128	2.1	4.1
W003073	602651	6536003	15.1	121	220	25.6	459	6.2	11.9
W003074	602703	6536001	45.2	98.8	94.2	18	136	10.5	15.3
W003075	602750	6535999	20.8	173.5	159	11.1	318	9.3	16.8
W003076	602803	6535999	5.1	113.5	101.5	19.5	119	7.4	17.9
W003077	602850	6536001	4.2	63.4	109	33.4	67	9.5	21.3
W003078	602903	6535998	4.6	58.2	116	28.9	65	7.8	18.9
W003079	602954	6535998	3	65.8	155.5	30.6	69	7	12.8
W003081	603003	6535997	3	88.5	169.5	26.3	82	6.1	11.4
W003082	603056	6535996	5.1	88	141	18.9	119	7.7	20.7



SampleID	EastMGA	NorthMGA	Au (PPB)	Ni (PPM)	Cu (PPM)	Pb (PPM)	Zn (PPM)	Pt (PPB)	Pd (PPB)
W003083	603103	6535995	2.9	103.5	127	16.9	198	6.9	18.9
W003084	603148	6535996	2.5	101	104	15.7	158	5.3	12.6
W003085	603193	6535995	2.2	152	72.9	14.5	167	3.9	5.4
W003086	603296	6535994	5.3	152	141.5	23.9	253	na	na
W003087	603200	6536200	3.6	102.5	98.7	17	174	na	na
W003088	603100	6536202	3.5	93.3	138	20.1	167	6.9	18.7
W000761	579207	6582346	21.3	210	103.5	59.9	80	6.5	13.2
W000762	579307	6582348	25.7	162.5	76.6	33.4	72	3.3	12.3
W000763	579407	6582349	41.9	183	91.1	19.2	55	4	29.7
W000764	579508	6582350	3.7	550	55.8	29.3	76	5.3	6.7
W000765	579608	6582351	1.9	247	84.6	21	66	10.2	4.7
W000898	577001	6583800	2.7	55.7	23	45.9	24	1.1	1.4
W000899	576901	6583800	13.7	146.5	108	70.6	104	4	8.4
W000902	576993	6584019	4.4	55.3	23.1	97.9	28	0.9	0.9
W000903	576893	6584020	1.7	47.3	12.2	62.4	16	0.4	0.7
W000904	576793	6584022	1.4	49.4	19.9	56.7	29	0.5	0.7
W000925	577501	6583201	5.7	124.5	99.5	34.3	57	3.7	5.6
W000926	577514	6583401	25.5	424	108.5	24.6	168	5.5	15.7
W000927	577414	6583402	29.5	257	210	19.8	147	12.8	45
W000928	577314	6583402	9.9	102.5	97.1	47.8	52	5.1	10
W000929	577213	6583402	23.1	149	182	39.1	86	5.6	21.1
W000932	577602	6583201	5	194	76.7	37.9	80	3	9.6
W000933	577702	6583201	8.4	207	61.4	23	66	3.3	5.8
W000939	577814	6583401	3.9	450	65	35.2	76	6.1	9.5
W000941	577714	6583401	2.7	115.5	28.3	41.6	28	1.1	2.7
W000942	577614	6583401	20.5	428	72.5	31.2	80	4	8.2
W000966	577101	6583800	13.1	315	90	61.8	118	2.9	7.3
W000967	577201	6583800	24.3	236	41.3	72.3	59	1.7	1.9
W000968	577301	6583800	3.2	627	40.9	34.8	45	4	4.8
W000969	577402	6583800	1	98.5	15.3	62.6	16	0.4	1
W000970	577502	6583800	0.5	199	44.5	58.6	26	1.2	1.5
W000976	577094	6584017	1.1	46.4	10.4	85.4	11	0.3	0.6
W001002	573398	6593800	8.6	126.5	117.5	16.9	185	3.3	5.2
W001003	573498	6593799	5.6	105.5	101.5	24.8	126	3.9	5
W001004	573599	6593797	15.2	164.5	119.5	15.2	124	6	17.9
W001008	573597	6593415	12.1	133.5	52.5	15.4	56	4.8	13.3
W001009	573498	6593410	2.8	116	89.7	18.6	72	7	9
W001012	573398	6593406	8	116.5	158	38.7	127	3.3	7.8

## APPENDIX 2: JORC Code, 2012 Edition – Table 1

### Section 1 Sampling Techniques and Data – Soil Sampling

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
<b>Sampling techniques</b>	<i>Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.</i>	Soil samples were collected using a hand-held 90mm auger, with the sampling depth ranging from ~30cm to 70cm. Samples were brought to the surface using the auger spiral and collected on a polyweave bag. The samples were photographed, geologically logged and placed into pre-numbered calico bags. Calicos were then sealed inside polyweave bags for transportation to the laboratory.
	<i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i>	Sampling including QAQC was done under Cygnus Gold's standard procedures. The laboratory also applied their own internal QAQC protocols.  See further details below.
	<i>Aspects of the determination of mineralisation that are Material to the Public Report.</i>  <i>In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.</i>	All samples are pulverised at the lab to 85% passing -75µm to produce a 50g charge for Aqua Regia digest with an ICP-MS finish for Au. Multi-element analysis was also carried out using a 4-acid digestion with ICP-AES and ICP-MS finish.  Select samples were analysed for super trace level Platinum Group Metals (Pt & Pd) and Au via the PGM-MS23L method, which comprises standard lead oxide collection fire assay with an ICP-MS finish.  For base metals that return values above the upper detection limit, the over limit method OG62 is used which comprises a four-acid digest with an ICP-AES finish.  Samples were analysed by ALS Laboratories in Perth.
<b>Drilling techniques</b>	<i>Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).</i>	No drilling results are reported in this announcement.
<b>Drill sample recovery</b>	<i>Method of recording and assessing core and chip sample recoveries and results assessed.</i>  <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i>  <i>Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.</i>	No drilling results are reported in this announcement.

Criteria	JORC Code explanation	Commentary
<b>Logging</b>	<i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i>	No drilling results are reported in this announcement.
	<i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i>	No drilling results are reported in this announcement.
	<i>The total length and percentage of the relevant intersections logged.</i>	No drilling results are reported in this announcement.
<b>Sub-sampling techniques and sample preparation</b>	<p><i>If core, whether cut or sawn and whether quarter, half or all core taken.</i></p> <p><i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i></p> <p><i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i></p> <p><i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i></p> <p><i>Measures taken to ensure that the sampling is representative of the in-situ material collected, including for instance results for field duplicate/second-half sampling.</i></p> <p><i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i></p>	<p>All samples were prepared at the ALS Laboratory in Perth. Samples were dried and pulverised to 85% passing 75µm and a sub sample of up to 200g retained. A nominal 50g charge was used for Au and multi-element analysis. The procedure is industry standard for this type of sample and analysis.</p> <p>Duplicate samples were collected at a rate of 1 in 40 samples.</p> <p>The target sample size for auger samples is between 250g – 1000g, which is considered appropriate for this style of sampling and the geological setting.</p>
<b>Quality of assay data and laboratory tests</b>	<i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i>	<p>Samples were analysed at ALS Laboratory, Perth. The analytical method used was an Aqua Regia digest for Au, and a four-acid digest for the multi-element analysis.</p> <p>The Aqua Regia method is the most common digestion method for Au analysis and provides a near total digestion. It is considered appropriate for the material and mineralisation.</p> <p>Samples are also analysed using the ALS method ME-MS61 which is a four-acid digest with an ICP-MS or ICP-OES finish depending on the element being reported with Cygnus requesting analyses for 48 elements. Four acid digestion is considered a 'near total' digest.</p> <p>Select samples were analysed for super trace level Platinum Group Metals (Pt &amp; Pd) and Au via the PGM-MS23L method, which comprises standard lead oxide collection fire assay with an ICP-MS finish.</p>



Criteria	JORC Code explanation	Commentary
		For base metals that return values above the upper detection limit, the over limit method OG62 is used which comprises a four-acid digest with an ICP-AES finish.
	<i>For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i>	NA
	<i>Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e. lack of bias) and precision have been established.</i>	For auger soil sampling Cygnus has submitted a mix of certified Reference Materials (CRMs) and blanks at a rate of five per 100 samples. Field duplicates have also been collected at a rate of one in 40 samples. External lab or umpire checks are not considered necessary for early stage exploration projects.
<b>Verification of sampling and assaying</b>	<i>The verification of significant intersections by either independent or alternative company personnel.</i>	NA
	<i>The use of twinned holes.</i>	No drilling results are reported in this announcement
	<i>Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.</i>	All field logging is carried out on a laptop using Ocris Mobile software. Sampling data is submitted electronically to the Cygnus Database Manager based in Perth. Assay files are received from the lab electronically and all data is stored in the Company's SQL database managed by Expedio Ltd in Perth.
	<i>Discuss any adjustment to assay data.</i>	No assay data is adjusted.
<b>Location of data points</b>	<i>Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.</i>	Sample locations were determined by handheld GPS, which is considered accurate to $\pm 5$ m in Northing and Easting.
	<i>Specification of the grid system used.</i>	The grid system used is MGA94 Zone 50 (GDA94).
	<i>Quality and adequacy of topographic control.</i>	RLs are allocated to the sample point using a DTM derived from detailed topography. The accuracy is estimated to be better than 2m in elevation.
<b>Data spacing and distribution</b>	<i>Data spacing for reporting of Exploration Results.</i>	Auger soil samples have been collected at approximately 200m spacing along lines ranging from 200m to 400m apart.
	<i>Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.</i>	NA as no resource estimation is made.
	<i>Whether sample compositing has been applied.</i>	No sample compositing was applied.
<b>Orientation of data in relation to geological structure</b>	<i>Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.</i>	Orientation of auger soil lines was determined from an interpretation of geophysics and modelling of geochemistry from previous explorers. Detailed analysis is ongoing to better understand orientation of structures controlling mineralisation.
	<i>If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to</i>	No drilling results are reported in this announcement.

Criteria	JORC Code explanation	Commentary
	<i>have introduced a sampling bias, this should be assessed and reported if material.</i>	
<b>Sample security</b>	<i>The measures taken to ensure sample security.</i>	<p>Samples were packed in the field and stored on site prior to shipment directly from site to ALS in Perth by Cygnus field staff (approximately 300km by road). The sample dispatches were accompanied by supporting documentation, signed by the site project geologist, which outlined the submission number, number of samples and preparation/analysis instructions.</p> <p>ALS maintains the chain of custody once the samples are received at the preparation facility, with a full audit trail available via the ALS Webtrieve site.</p>
<b>Audits or reviews</b>	<i>The results of any audits or reviews of sampling techniques and data.</i>	Sampling and assaying techniques are considered to be industry standard. At this stage of exploration, no external audits or reviews have been undertaken.

## Section 2 Reporting of Exploration Results – Auger soil sampling and Ground Gravity Survey

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
<b>Mineral tenement and land tenure status</b>	<i>Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.</i>	Auger sampling and ground gravity surveys reported here were collected within E70/5169 (Bencubbin North tenement) which is 100% owned by Cygnus Gold.  The landownership within E70/5169 tenements is mostly freehold.  Cygnus has signed a standard Indigenous Land Use Agreement (ILUA) for E70/5169.
	<i>The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.</i>	E70/5169 is in good standing with the Western Australian Department of Mines, Industry Regulation and Safety ( <b>DMIRS</b> ). Cygnus is unaware of any impediments for exploration on this licence.
<b>Exploration done by other parties</b>	<i>Acknowledgment and appraisal of exploration by other parties.</i>	Previous exploration on E70/5169 was undertaken by a variety of companies, most recently and best summarised by Rubicon Resources Limited in WAMEX Report a87615.  General summary of previous work includes: <ul style="list-style-type: none"> <li>• 1997-1998 Shell Minerals: Detailed mapping and diamond drilling of the Mandiga gossans</li> <li>• 1978-1984 Otter Resources: Exploration for VMS systems and Mandiga Gossans. Work included a 7-hole RC program, SIROTEM and surface geochemical sampling</li> <li>• 1991 CRA Exploration: Regional laterite sampling in search of gold, RAB drilling</li> <li>• 1993-1994 Troy Resources NL: RAB drilling for gold close to the Bencubbin North Nickel target</li> <li>• 1996-1998 Astro Mining NL: Primarily searched for Diamond and Gold mineralisation across the region, work included aeromagnetism, surface geochemistry and RC, RAB and Aircore Drilling (MERA1-60). Results included 20m @ 0.19% Ni in hole MERA2.</li> <li>• 2006-2010 Rubicon Resources Limited/Heron Resources: mapping, rock chip and auger sampling</li> <li>• 2011-2013 Australia Minerals and Mining Group: RC drilling of Banded Iron Formations for Fe-ore</li> </ul>
<b>Geology</b>	<i>Deposit type, geological setting and style of mineralisation.</i>	Cygnus' E70/5169 is located in the Murchison Domain of the Youanmi Terrane of the Yilgarn Craton. Project-scale geology consists of granite-greenstone lithologies that were metamorphosed to amphibolite to granulite facies grade. The Archaean lithologies are cut by Proterozoic dolerite dykes.  Deposit styles targeted by Cygnus in the Bencubbin project are: <ul style="list-style-type: none"> <li>• Archaean Nickel Sulfide deposits (Nickel-Copper ± Cobalt ± Platinum Group Elements ± Gold)</li> <li>• Saprolitic Nickel-Chrome deposits</li> <li>• Archaean Orogenic mesothermal gold deposits</li> </ul>

Criteria	JORC Code explanation	Commentary
		<ul style="list-style-type: none"> <li>Copper-Lead-Zinc-Silver-Gold Volcanogenic Massive Sulfide (VMS) deposits</li> </ul>
<b>Drill hole Information</b>	<p><i>A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:</i></p> <ul style="list-style-type: none"> <li><i>o easting and northing of the drill hole collar</i></li> <li><i>o elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i></li> <li><i>o dip and azimuth of the hole</i></li> <li><i>o down hole length and interception depth</i></li> <li><i>o hole length.</i></li> </ul> <p><i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i></p>	<p>No drilling results are reported in this announcement.</p> <p>All assay and sample location information are tabulated in Appendix 1 of this report.</p>
<b>Data aggregation methods</b>	<i>In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.</i>	All results are reported as received from the laboratory and no statistical manipulations applied.
	<i>Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low-grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.</i>	Details of all sample results are included in Appendix 1 in the body of the announcement.
	<i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i>	No metal equivalent values are reported.
<b>Relationship between mineralisation widths and intercept lengths</b>	<p><i>These relationships are particularly important in the reporting of Exploration Results.</i></p> <p><i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i></p> <p><i>If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').</i></p>	No drilling results are reported in this announcement.
<b>Diagrams</b>	<i>Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any</i>	Refer to the figures in the body of this announcement for relevant plans including a tabulation of analytical results.

Criteria	JORC Code explanation	Commentary
	<i>significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.</i>	
<b>Balanced reporting</b>	<i>Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.</i>	Details of all sample results are included in Appendix 1 in the body of the announcement.
<b>Other substantive exploration data</b>	<i>Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.</i>	No other substantive exploration data is available for reporting.
<b>Further work</b>	<p><i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i></p> <p><i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i></p>	<p>Further work will comprise additional and infill soil sampling prior to an assessment of targets for drilling where warranted and/or electrical geophysics.</p> <p>Provided in the body of this announcement.</p>